

**CLAIMS**

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1. Method to transit in a communication system comprising a transmitter (TX), a communication medium (CM) and a receiver (RX), from a low power state (LPS) wherein data packets (DMT1) are transferred via said communication medium from said transmitter (TX) to said receiver (RX) at low power to a full power state (FPS) wherein data packets (DMT2) are transferred from said transmitter (TX) to said receiver (RX) at full power,

CHARACTERISED IN THAT low power transmission of a currently transferred data packet (DMT1) is interrupted, and a copy (C\_DMT1) of said currently transferred data packet (DMT1) is transmitted at full power.

2. Method according to claim 1,

CHARACTERISED IN THAT a state transition indication (STI) is transferred from said transmitter (TX) to said receiver (RX) before said copy (C\_DMT1) of said currently transferred data packet (DMT1) is transmitted at full power.

3. State transition arrangement (STA) to be used to transfer from a low power state (LPS) to a full power state (FPS) in a transmitter (TX) being adapted to transmit data packets (DMT1) at low power when it is operating in said low power state (LPS) and to transmit data packets (DMT2) at full power when it is operating in said full power state (FPS),

CHARACTERISED IN THAT said state transition arrangement (STA) comprises interruption means (IR) for interrupting transmission of a currently transferred data packet (DMT1) and re-transmission means (TXM) for transmitting a copy (C\_DMT1) of said currently transferred data packet (DMT1) at full power.

4. State transition arrangement (STA') to be used to transfer from a low power state (LPS) to a full power state (FPS) in a receiver (RX) adapted to receive

CHARACTERISED IN THAT said state transition arrangement (STA')  
5 comprises detection means (DET) for detecting an interrupted low power data  
packet (DMT1), and deletion means (DEL), coupled to said detection means  
(DET), for deleting said interrupted low power data packet (DMT1), and reception  
means (RXM) for receiving a copy (C\_DMT1) of said low power data packet  
(DMT1) at full power.